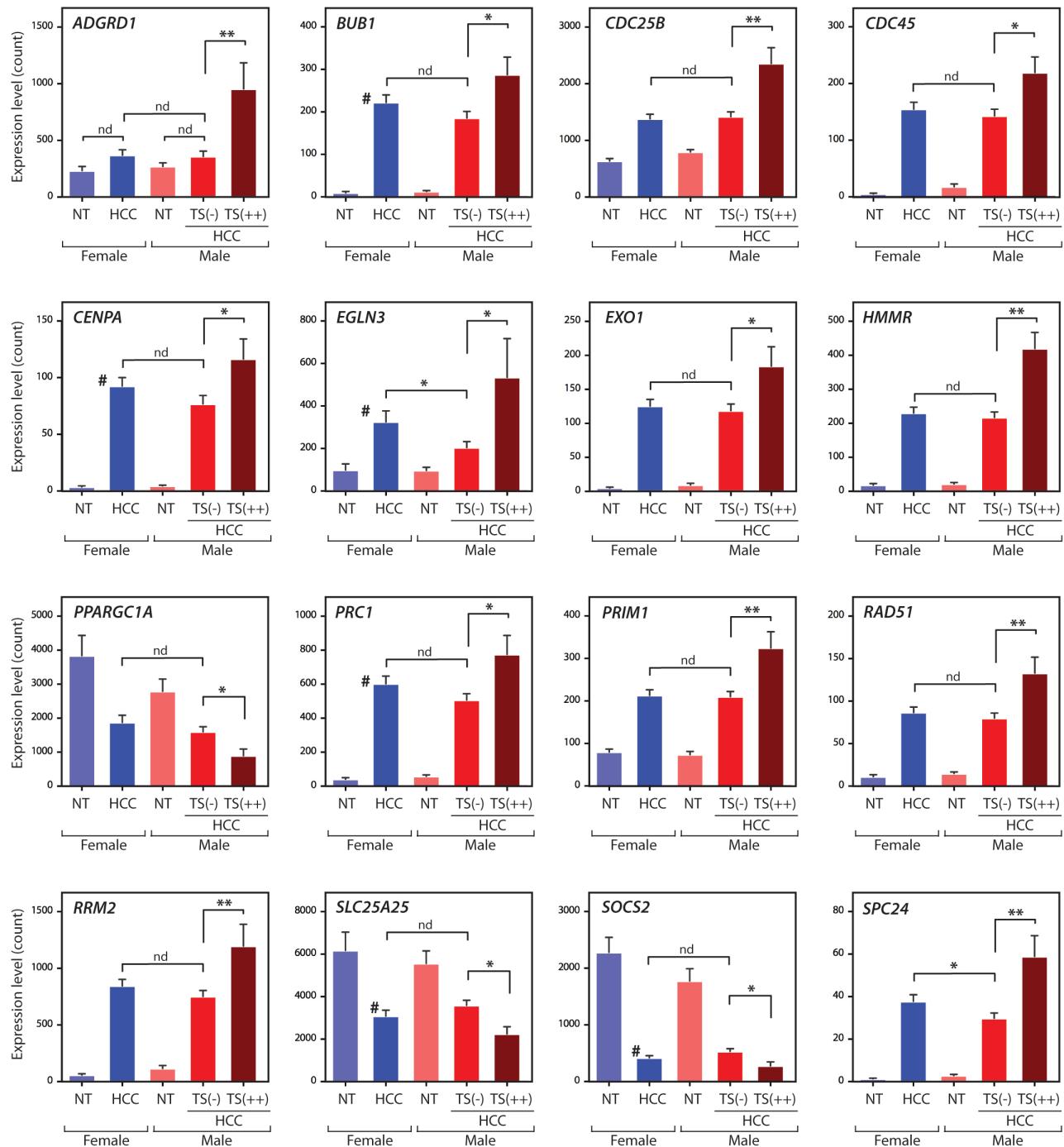


expression level= RSEM normalized count downloaded through UCSC Xena browser. \*\*, P<0.005  
\*, P<0.05  
nd, P>0.05



**Figure S3**

Comparison of the gene expression levels of the 16 TSPY downstream genes among female non-tumor liver (NT), female HCC, male non-tumor liver (NT), male TSPY-silent HCC (TS(-)), and male TSPY-high HCC (TS(++) groups. Gene expression data were derived from transcriptomes of HCC specimens in TCGA. Y-axis indicates the expression level as RSEN normalized count. Abbreviations: \*\*, t-test P-value < 0.005; \*, P-value < 0.05; nd, P-value > 0.05; #, no significant difference between female HCC and male TS(+).